Ax52R Infrared Dome

i³ Part# Ax52R

[Features]

- Vandal resistant and IP67 Dome Camera
- Superb image quality with 2MP/ 1080P
- Digital Wide Dynamic Range
- 3-9mm megapixel lens
- Mechanical Infrared Cut Filter with Day/night functionality
- H.264 streams
- Micro SD support
- Full image BNC output
- 3 year limited warranty

[Application & Benefits]

The Ax52 Series megapixel camera comes in four flavors: indoor, outdoor, infrared dome, and a box camera. Among the series, the AX52R is an infrared camera that is best suited to low-light conditions and outdoor environment. Housed in a vandal-proof dome, the Ax52R offers unparalleled features such as digital wide dynamic range to achieve superb image quality with a wide range of resolutions in even the most challenging environments.

Armed with 24 LED lights, the AX52R can display objects at 25 meters or 82 feet in 0.008 lux. This all-purpose outdoor dome was designed to save installation time as mounting adapters for various environments are no longer needed. Rich with practical enhancements, the Ax52R is ideal for most installation applications. Weather-proof models operate in temperatures from -40°C to 50°C (-40°F to 122°F).

With multiple video streams: H.264, MPEG 4, and Motion JPEG allow users to select the best option for their needs. H.264 for example, greatly reduces bandwidth and storage needs without compromising image quality.

The Ax52R Series also offer digital pan/tilt/zoom with multi-view streaming. The built in internal Micro SD card provides redundancy for when connection to the DVMS is terminated, effectively reducing risk of losing data. The versatility of this network camera makes it suitable for a range of video surveillance applications, including government and industrial buildings, retail environments, airports, railway stations and schools.

ISO 9001:2008 REGISTERED International Standards Organization Registered Firm; ISO 9001 Quality System

RoHS FC CE

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Ax52R Infrared Dome Specifications

Image System	
Image Sensor	1/3" 2 MP image sensor optimized for low-light performance
Image Compression Method	Triple Streaming : H.264 / MPEG4 / Motion JPEG
Frame rate and resolution	HDTV 1080p(1920x1080) at 15 fps (NTSC) and 12.5 fps (PAL) and 2MP 16:9 (1280x720) at 30 fps (NTSC) and 25 fps (PAL)
Lens	Built-in Mechanical IR Cut Filter varifocal lens f=3 ~ 9mm, F1.2 (Megapixel lens)
View Angle	H: 93°(Wide) ~ 31.7°(Tele)/V:68.4°(Wide) ~ 23.8°(Tele)
View Angle Adjustment	Pan:0°-355°, Tilt:0°-90°, Rotate:0°-355°
Electric	
Shutter Time	Range from 1/10000s to 1/3.75s selectable (60Hz); Range from 1/10000s to 1/3.125s selectable (50Hz)
Audio	Two-way Mono Audio, Full-duplex, G.711 PCM 8kHz
Alarm	External input
Day/Night Mode	Mechanical (ICR) D/N control; Auto/ Forced BW/ Forced Color/ External
Minimum Illumination	IR LED OFF: 0.08 Lux @10IRE; 0.30Lux @50IRE (shutter speed: 1/15sec);IR LED ON: 0lux
IR LED	IR LED 24pcs (850nm)
IR distance	25 meters (82 ft.)
IR turn on status	Under 10 lux by auto control
LED life	More than 10,000 hours (50ºC)
Video Port	BNC X1, 1.0Vp-p, 75O / RCA x 1
Video Output	NTSC: 720 X 480 @30fps;PAL: 720 X 576 @25fps
Image Enhance	Exposure Mode: Auto/Manual White Balance: Auto/Manual Backlight Compensation: 5x5 zones selectable Sharpness, Saturation, Brightness, Contrast: 255 level sensitivity
Feature Brief	
Digital WDR	Yes; 5 level sensitivity
Privacy Zone	Yes; customized threshold privacy zone
Intelligent Video	Ethernet Detection/ Event Management
Alarm Detection	Motion Detection: 5 x 5 zones, 5 level sensitivity or customized threshold External Input
Alarm Event	File upload to SD Card Notification via email, HTTP and TCP External output activation Video and audio recording to SD Card
Image Orientation	Mirror, Flip
Bit Rate Mode	Primary stream bit rate control: CBR/VBR
Local Storage	
Memory Card	Micro SD/ Micro SDHC Card up to 32 GB
SD Card Overwrite	Yes
SD Card Store Category	Alarm / Motion / Schedule/ Un-interrupt recording
Power supply	
Power Requirement	DC 12V & AC 24V ± 10% / PoE (IEEE 802.3af) (Low temperature outdoor DC24V/AC24V only)
Power Connector	Screwless Terminal block
Power Consumption (Max.)	20 W (Heater ON) 8 W (Heater OFF)
Environment	
Operating Temperature	-40ºC ~ 50ºC (-40ºF ~ 122 ºF)
Operating Humidity	10 ~ 90% RH
Storage Temperature	-20ºC ~ 60ºC (-4ºF ~ 140 ºF)
Network	
Ethernet	10Base-T/100Base-TX Ethernet connection for LAN / WAN, RJ-45
Internet Protocol	IPv4, TCP/IP, UDP, HTTP, SMTP, DNS, DHCP, NTP, FTP, RTP,RTSP, ICMP, or UPnP
Browser	IE browser 6.0 or above
I/O connector	
Alarm Port	F142mm x 121mm (F45.6" x 3.97")
Audio In / Out port	3.5mm Phone Jack x 2
Reset	Within 5 sec for rebooting system; more than 5 sec for loading default
Mechanism	
Dimensions(xH)	F142mm x 121mm (F45.6" x 3.97")
Weight	1.3kg (45.6lb)
Protection Class	IP67, vandal resistant